

RISK FACTORS

Scheme specific risk factors

Risk factors associated with investing in Fixed Income Securities

Subject to the stated investment objective, the Scheme proposes to invest in debt and related instruments and the risk factors pertinent to the same are:

- The performance of Scheme may be affected by changes in Government policies, general levels of interest rates and risks associated with trading volumes, liquidity and settlement systems.
- Investments in different types of securities are subject to different levels and kinds of risk. Accordingly, the Scheme's risk may increase or decrease depending upon its investment pattern.

E.g. investments in corporate bonds carry a higher level of risk than investments in Government securities. Further, even among corporate bonds, bonds which have a higher rating are comparatively less risky than bonds which have a lower rating.

- **Price-Risk or Interest Rate Risk:** As with all debt securities, changes in interest rates may affect the NAV of the Scheme as the prices of securities increase as interest rates decline and decrease as interest rates rise. Prices of long-term securities generally fluctuate more in response to interest rate changes than do short term securities. Indian debt markets can be volatile leading to the possibility of price movements up or down in fixed income securities and thereby to possible movements in the NAV.
- The change in value of a security, for a given change in yield, is higher for a security with higher duration and vice versa. Hence portfolios with higher duration will have higher volatility which leads to duration risk.
- Government securities do carry price risk depending upon the general level of interest rates prevailing from time to time. The extent of fall or rise in the prices is a function of the coupon rate, days to maturity and the increase or decrease in the level of interest rates. The price of the Government securities (existing and new) is influenced only by movements in interest rates in financial systems.
- In the case of floating rate instruments, an additional risk could be due to the change in the spreads of floating rate instruments. If the spreads on floating rate papers rise, then there could be a price loss on these instruments. Secondly in the case of fixed rate instruments that have been swapped for floating rates, any adverse movement in the fixed rate yields vis-à-vis swap rates could result in losses. However, floating rate debt instruments which have periodical interest rate reset, carry a lower interest rate risk as compared to fixed rate debt instruments. In a falling interest rate scenario, the returns on floating rate debt instruments may not be better than those on fixed rate debt instruments. In case of a floating rate instrument, this risk is lower as a result of periodic reset of the coupon. During the life of floating rate security or a swap the underlying benchmark index may become less active and may not capture the actual movement in the interest rates or at times the benchmark may cease to exist. These types of events may result in loss of value in the portfolio.

Liquidity Risk: This refers to the ease with which a security can be sold at or near to its valuation yield-to-maturity (YTM). The primary measure of liquidity risk is the spread between the bid price and the offer price quoted by a dealer. Liquidity risk is today characteristic of the Indian fixed income market.

This represents the possibility that the realised price from selling the security might be lesser than the valuation price as a result of illiquid market. If a large outflow from the Scheme is funded by selling some of the illiquid securities, the NAV could fall even if there is no change in interest rates. Illiquid securities are typically quoted at a higher yield than the liquid securities and have higher bid offer spreads. Investment in illiquid securities results in higher current yield for the portfolio. In addition, money market securities, while fairly liquid, lack a well-developed secondary market, which may restrict the selling ability of the Scheme and may lead to the Scheme incurring losses till the security is finally sold.

The corporate debt market is relatively illiquid vis-a-vis the government securities market. Even though the government securities market is more liquid compared to that of other debt instruments, on occasions, there could be difficulties in transacting in the market due to extreme volatility or unusual constriction in market volumes or on occasions when an unusually large transaction has to be put through.

Liquidity Risk for all Open-Ended Debt Schemes is measured and addressed through the below mentioned liquidity management tools.

Liquidity Management Tools	Brief Description
Potential Risk Matrix (PRC) and Risk-o-meter (RoM)	All debt schemes are bucketed in terms of Potential Risk Class matrix (PRC) based on maximum interest rate risk and credit risk parameters. PRC defines the maximum risk that a scheme will run as per design and RoM is the measurement of that risk on a regular basis. Remedial measures are in place in case any of the design boundaries are breached.
Maintenance of minimum liquid assets in all open ended debt schemes and monitoring liquid assets through LRRaR and LR-CRaR framework provided by AMFI.	All open ended debt schemes (except Overnight fund, Liquid fund, Gilt fund and Gilt Fund with 10-year constant duration) shall hold at least 10% of their net assets in liquid assets or liquidity ratio computed basis LR-RaR and LR-CRaR, whichever is higher. Similarly, liquid funds shall comply with the requirement of maintaining liquid assets at 20% of their net assets or liquidity ratio computed basis LR-RaR and LR-CRaR, whichever is higher. The Liquidity Risk Management framework defines the Liquidity Risk arising from liability side of the portfolio and covers all potential liquidity risk scenarios upto 99% confidence interval. The AMC measures and monitors liquidity risk on a monthly basis and has laid down action plan in case there is difference between actual outcome and projected outcome.
Stress Testing	Stress Testing is carried out for all open ended debt schemes (except overnight scheme) on a monthly basis as required by SEBI. The stress testing addresses the asset side risk taking into account the Interest Rate risk, Credit risk and Liquidity risk at an aggregate portfolio level and its impact on NAV. This asset side stress testing complements the liability side stress testing conducted through LR-RaR and CR-CRaR framework. The result of Stress Testing is reported to AMFI, Board of AMC and Trustee Company on an ongoing basis.
Asset Liability Management	Asset Liability Management covers monitoring of liquidity risk addressing asset liability mismatch upto a period of 90 days. The 90-day liability ratio is calculated taking into account investor behavior based on size of their investments and historic redemptions at an industry level. The 90-day liability ratio is compared with the Portfolio Liquidity ratio to ascertain if any asset liability mismatch exists.
Borrowing	A fund may borrow to meet redemption requirements up to the limit allowed by the regulator from time to time

- **Spread risk:** Though the sovereign yield curve might remain constant, investments in corporate bonds are exposed to the risk of spread widening between corporate bonds and gilts. Typically, if this spread widens, the prices of the corporate bonds tend to fall and so could the NAV of the Schemes. Similar risk prevails for the investments in the floating rate bonds, where the benchmark might remain unchanged, but the spread over the benchmark might vary. In such an event, if the spread widens, the price and the NAV of the Schemes could fall.
- **Credit Risk:** Credit risk or default risk refers to the risk that an issuer of a fixed income security may default (i.e. will be unable to make timely principal and interest payments on the security). A sovereign security carries no default risk since Government raises money to meet its capital and revenue expenditure by issuing these debt or discounted securities. As the payment of interest and principal amount has a sovereign status implying no default, such securities are popularly known as “risk-free security” or “Zero Risk security”. Thus Zero-Risk is the lowest risk, even lower than a security with “AAA” rating and hence commands a yield, which is lower than a yield on “AAA” security. Normally, the value of a fixed income security will fluctuate depending upon the changes in the perceived level of

credit risk as well as any actual event of default. The greater the credit risk, the greater the yield required for someone to be compensated for the increased risk. Because of this risk, corporate debentures are sold at a yield above those offered on Government Securities, which are sovereign obligations.

- **Reinvestment Risk:** This risk refers to the interest rate levels at which cash flows received from the securities in the Scheme are reinvested. The additional income from reinvestment is the “interest on interest” component. The risk is that the rate at which interim cash flows can be reinvested may be lower than that originally assumed. However, declining interest rates normally lead to increase in bond prices which may help cushion the impact of reinvestment risk to some extent.
- **Benchmark Risk:** The floating rate segment of the domestic debt market is not very developed. Currently, majority of the issuance of floating rate papers is linked to NSE MIBOR. As the floating rate segment develops further, more benchmark rates for floating papers may be available in future. The fewer number of benchmark rates could result in limited diversification of the benchmark risk.
- **Prepayment Risk:** The risk associated with the early unscheduled return of principal on a fixed- income security. The early unscheduled return of principal may result in reinvestment risk.
- **Settlement risk:** Different segments of Indian financial markets have different settlement periods and such periods may be extended significantly by unforeseen circumstances. Delays or other problems in settlement of transactions could result in temporary periods when the assets of the Scheme are uninvested and no return is earned thereon. The inability of the Scheme to make intended securities purchases, due to settlement problems, could cause the Scheme, to miss certain investment opportunities. Similarly, the inability to sell securities held in the Scheme’s portfolio, due to the absence of a well-developed and liquid secondary market for debt securities, may result at times in potential losses to the Scheme in the event of a subsequent decline in the value of securities held in the portfolio of the Scheme.
- **Market risk:** Lower rated or unrated securities are more likely to react to developments affecting the market and the credit risk than the highly rated securities which react primarily to movements in the general level of interest rates. Lower rated or unrated securities also tend to be more sensitive to economic conditions than higher rated securities.
- In addition to the factors that affect the values of securities, the NAV of Units of the Scheme will fluctuate with the movement in the broader fixed income market, money market and derivatives market and may be influenced by factors influencing such markets in general including but not limited to economic conditions, changes in interest rates, price and volume volatility in the bond and stock markets, changes in taxation, currency exchange rates, foreign investments, political, economic or other developments and closure of the stock exchanges.

Risk Factors associated with investments in Money Market instruments

- Investments in money market instruments would involve a moderate credit risk i.e. risk of an issuer’s liability to meet the principal payments. Additionally, money market securities, while fairly liquid, lack a well-developed secondary market, which may restrict the selling ability of the Scheme and may lead to the Scheme incurring losses till the security is finally sold.
- Money market instruments may also be subject to price volatility due to factors such as changes in interest rates (when interest rates in the market rise, the value of a portfolio of money market instruments can be expected to decline), general level of market liquidity and market perception of credit worthiness of the issuer of such instruments and risks associated with settlement of transactions and reinvestment of intermediate cash flows. The NAV of the Scheme’s Units, to the extent that the Scheme is invested in money market instruments, will consequently be affected by the aforesaid factors. The AMC endeavours to manage such risk by the use of in house credit analysis.
- The NAV of the Scheme’s Units, to the extent that the corpus of the Scheme is invested in money market instruments, will be affected by the changes in the level of interest rates. When interest rates in the market rise, the value of a portfolio of money market instruments can be expected to decline.

Risk factors related to investments in Structured Obligations (SO) / Credit Enhancements (CE):

Structured Obligations (SO) are complex financial instruments issued by entities intending to improve their financing profile with the help of non-conventional financial instruments. Credit Enhancement (CE) rating is assigned by Credit Rating agencies to a debt security based on an identifiable credit enhancement for the security which could be in the form of letter of comfort, guarantee, shortfall undertaking etc. from another entity than the issuer, related or not related to the issuer. CE could additionally include pledging of equity shares listed on a stock exchange with a suitable haircut. Apart from standard risks related to debt instruments, these instruments are further exposed the below risks:

Liquidity Risk: SO rated securities are often complex structures, with a variety of credit enhancements. Debt securities generally lack a well-developed secondary market in India, and due to the credit enhanced nature of CE securities as well as structured nature of SO securities, the liquidity in the market for these instruments is shallow compared to similar rated conventional debt instruments. Hence, lower liquidity of such instruments, could lead to inability of the scheme to exit such debt instruments when required and generate liquidity for the scheme or lead to higher impact cost when such instruments are sold impacting portfolio returns.

Credit Risk: Securities which have a structure with a guarantee from the corporate/promoter, may see an adverse effect

if there are any signs of stress at the promoter / group level, even though the standalone borrowing entity's debt servicing capability and repayments may not see any material impact, from a future cash flow perspective. CEs are exposed to credit risk pertaining not only to the issuer of the security but also to the entity providing the credit enhancement. The credit risk of debt instruments which are CE rated is based on the combined strength of the issuer as well as the structure. Hence, any weakness in either the issuer or the structure could have an adverse credit impact on the debt instrument. The weakness in structure could arise due to inability of the investors to enforce the structure due to issues such as legal risk, inability to sell the underlying collateral or enforce guarantee, etc. Therefore, apart from issuer level credit risk such debt instruments are also susceptible to structure related credit risk.

Risk associated with short selling and securities lending by Scheme

Short Selling Risk: The risk associated with upward movement in market price of security sold short may result in loss. The losses on short position may be unlimited as there is no upper limit on rise in price of a security.

Securities Lending: The risks in lending portfolio securities, as with other extensions of credit, consist of the failure of another party, in this case the approved intermediary, to comply with the terms of agreement entered into between the lender of securities i.e., the Scheme and the approved intermediary. Such failure to comply can result in the possible loss of rights in the collateral put up by the borrower of the securities, the inability of the approved intermediary to return the securities deposited by the lender and the possible loss of any corporate benefits accruing to the lender from the securities deposited with the approved intermediary. The Mutual Fund may not be able to sell such lent securities and this can lead to temporary illiquidity

Risks associated with transaction in Units through Stock Exchange mechanism

In respect of transactions in Units of the Scheme routed through the BSE StAR MF platform or any other recognised stock exchange platform as intimated by the AMC, allotment and redemption of Units on any Business Day will depend upon the order processing / settlement by BSE, or such other exchange and their respective clearing corporations on which the Fund has no control. Further, transactions conducted through the stock exchange mechanism shall be governed by the operating guidelines and directives issued by BSE or such other recognised exchange in this regard.

Risks associated with Segregated Portfolio

Liquidity risk - Segregated Portfolio is created to separate debt and money market instruments affected by a Credit Event from the Main Portfolio of the Scheme. The Fund will not permit redemption of the Segregated Portfolio units, but the units will be listed on a recognized stock exchange. The Fund is not assuring any liquidity of such units on the stock exchange. Further, trading price of units on the stock exchange may be significantly lower than the prevailing NAV. Investors can continue to transact (subscribe/redeem) from the Main Portfolio.

Credit risk - While the AMC will put in sincere efforts to recover the securities in the Segregated Portfolio and distribute the same to unit holders, it is likely that such securities may not realize any value leading to losses to investors.

Risk factor associated with legal, tax and regulatory risk

The Scheme could be exposed to changes in legal, tax and regulatory regime which may adversely affect it and / or the investors. Such changes could also have retrospective effect and could lead to additional taxation imposed on the Schemes which was not contemplated either when investments were made, valued or disposed off.

Backstop facility in form of investment in Corporate Debt Market Development Fund (CDMDF):

CDMDF is set up as a scheme of the Trust registered as an Alternative Investment Fund ('AIF') in accordance with the SEBI (Alternative Investment Funds) Regulations, 2012 ("AIF Regulations") which is launched as a closed-ended scheme with an initial tenure of 15 years (extendable) from the date of its initial closing. The Investment Manager-cum-Sponsor of CDMDF shall be SBI Funds Management Ltd., the asset management company of SBI Mutual Fund. The objective of the CDMDF is to help to develop the corporate debt market by providing backstop facility to instill confidence amongst the market participants in the corporate debt/bond market during times of market dislocation and to enhance the secondary market liquidity. In times of market dislocation, CDMDF shall purchase and hold eligible corporate debt securities from the participating investors (i.e., specified debt-oriented MF schemes to begin with) and sell as markets recover. The CDMDF will thus act as a key enabler for facilitating liquidity in the corporate debt market and to respond quickly in times of market dislocation. The trigger and period for which the backstop facility will be open shall be as decided by SEBI. Thus, this backstop facility will help fund managers of the aforementioned Schemes to better generate liquidity during market dislocation to help the schemes fulfill liquidity obligations under stress situation.

In accordance with the requirement of regulation 43A of SEBI (Mutual Funds) Regulations, 1996 read with SEBI circular no. SEBI/HO/IMD / PoD2/P/CIR/2023/129 dated July 27, 2023 on Investment by Mutual Fund Schemes in units of Corporate Debt Market Development Fund, the aforementioned schemes shall invest 25 bps of its AUM as on December 31, 2022 in the units of the Corporate Debt Market Development Fund ('CDMDF'). An incremental contribution to CDMDF shall be made every six months to ensure 25 bps of scheme AUM is invested in units of CDMDF. However, if AUM decreases there shall be no return or redemption from CDMDF. Contribution made to CDMDF, including the appreciations on the same, if

any, shall be locked-in till winding up of the CDMDF.

We would further like to bring to the notice of the investors that investments in CDMDF units shall not be considered as violation while considering maturity restriction as applicable for various purposes (including applicable Investment limits) and the calculations of Potential Risk Class (PRC) Matrix, Risk-o-meter, Stress testing and Duration for various purposes shall be done after excluding investments in units of CDMDF. Contribution by the Specified open-ended Debt- Oriented Schemes shall be treated as an investment and not an expense, and hence shall form part of Net Asset Value (NAV) of the Specified open ended Debt-Oriented Schemes.

Investors are requested to read disclosure on investment of the schemes in the CDMDF as listed in Part II - “ How will the Scheme Allocate its Assets and “Where will the Scheme Invest?”.